

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

AUG 0 7 2014

Florida Department of Agriculture and Consumer Services Bureau of Pesticides 3125 Conner Boulevard, Building 6 Tallahassee, Florida 32399-1650

ATTN: Mr. Charlie Clark

Subject:

24(c) Special Local Need Registration

FL-140004

Spirotetramat on Citrus Fruits

This will acknowledge receipt of the above notification of a Special Local Need (SLN) registration pursuant to section 24(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. This SLN registration permits use of spirotetramat (Movento MPC, EPA Reg. No. 264-1065) for control of Asian citrus psyllid on citrus and ornamentals in greenhouses and nurseries. Your application indicates there is an urgent need for this SLN registration as an insecticidal management tool and that Movento MPC can be safely applied at maximum labeled dosages to citrus immediately prior to and during bloom with minimal risk to pollinators.

SLN#:

FL-140004

Parent Product:

Movento MPC

EPA Reg. #:

264-1065 Bayer CropScience

24(c) Registrant:

P.O. Box 12014, 2 T.W. Alexander Drive

Research Triangle Park, NC 27709

Active Ingredient:

Spirotetramat

Site:

Citrus Fruits (Crops of Group 10-10)

Pest:

Asian Citrus Psyllid

Expiration date:

October 15, 2015

The Agency has completed a review of the use and methods of application and has concluded that the state registration is acceptable. If you have any questions please contact Stacey Groce at (703) 305-2505 or Groce Stacev@epa.gov.

Sincerely.

Tawanda Maignan

Emergency Response Team Leader

Risk Integration, Minor Use, and Emergency Response Branch

Registration Division

Office of Pesticide Programs

CC:

USEPA Region 4, Phillip Beard

USEPA Region 4 Pesticide Tribal Coordinator, Patricia Livingston

#### Groce, Stacey

From: Tallapragada, Krishna < Krishna. Tallapragada@freshfromflorida.com>

Sent: Tuesday, August 05, 2014 10:52 AM

To: Groce, Stacey

Cc: Clark, Charlie, Meshea Brodie
Subject: FW: Movento MPC SLNFL-140004
Attachments: Spesticides14080510140.pdf

Good morning Ms. Stacey Groce,

I am sending the supporting documents as attachment for the Florida SLN for Movento MPC (A.I. Spirotetramat, SLNFL-140004). The need for the above SLN in Florida is discussed in the following listed documents.

- Letter from Bayer Corporation for the SLN
- 2. Letter from Citrus Research and Development Foundation, Inc.
- 3. Letter from Institute of Food and Agriculture Sciences, University of Florida.

Please feel free to contact us for any additional information.

Best regards,

#### Krishna Tallapragada Environmental Specialist III

Environmental opecialist fill Bureau of Scientific Evaluation and Technical Assistance Division of Agricultural Environmental Services Florida Department of Agriculture and Consumer Services

(850) 617-7947 (850) 617-7949 Fax krishna tallapragada@freshfromfjorida.com

Laboratory Building #6 3125 Conner Boulevard Tallahassee Florida 32399-1650

#### www.FreshFromFlorida.com

Please note that Florida has a broad public records law (Chapter 119, Florida Statutes) Most written communications to or from state employees are public records obtainable by the public upon request. Emails sent to me at this email address may be considered Public and will only be withheld from disclosure if deemed confidential pursuant to the laws of the State of Florida.

Please note: Effective January 2013, the Florida Pesticide Registration Section will no longer be accepting paper checks for payment of new or renewed pesticide registrations. Only on-line payments will be accepted. These payments can be made at our E-commerce website: <a href="https://www.fl-ag-com/">https://www.fl-ag-com/</a> online com/

### Bayer CropScience



April 9, 2014

Mr. Charlie Clark
Florida Department of Agriculture & Consumer Services
3125 Connor Blvd., Building 6
Tallahassee, FL 32399-1650

RE: FIFRA 24(c) Special Local Need request for MOVENTO MPC (EPA Reg. No. 264-1065) for use on Citrus to control Asian Citrus Psyllid

Dear Mr. Clark:

On behalf of numerous Citrus growers, organizations, companies and operations in the state of Florida, Bayer CropScience hereby submits a FIFRA 24(c) Special Local Need application package to allow the use of MOVENTO MPC for control of the Asian Citrus Psyllid (ACP) on citrus. ACP is a significant and economically destructive pest and an efficient vector of the devastating bacterial disease Huanglongbing (HLB), or citrus greening.

Bayar CropSdance RTP P. C. Box 12014 RTP, NC 27789 Tel B19 849-2000

MOVENTO MPC (spirotetramat) is a fully systemic foliar-applied insecticide from the tetramic acid chemical class. Field and laboratory studies have shown MOVENTO MPC to be highly efficacious for control of ACP. As background, in 2005 HLB, which is also referred to as Citrus Greening Disease, was found to be present in Florida. This disease is caused by the pathogen Candidatus Liberibacter asiaticus and is spread by the Asian citrus psyllid (Diaphorina citri Kuwayama). This devastating disease has affected citrus trees worldwide and is considered the worst disease to affect citrus. With the presence of HLB in Florida, every effort must be made to preserve and maintain current citrus acreage and maintain fruit production at levels that will support the infrastructure necessary to maintain the economic viability of citrus production in Florida. This has created an urgent need for effective insecticides with minimal risk to bees, even when applied at and around bloom.

The current Section 3 MOVENTO MPC label for Citrus Group Group 10 contains a restriction that precludes applications made within 10 days prior to bloom, during bloom, or until petal fall is complete. With high levels of HLB present in Florida groves, trees have exhibited prolonged asynchronous bloom periods for the past two years and minor levels of bloom (<10%) has been present for extended periods of time. During this time period, leaf flush, which is highly desirable and necessary for

#### Page 2 of 2

ACP reproduction, has also occurred and with minor levels of bloom present, this has precluded the use of many insecticidal management tools, including MOVENTO MPC.

Bayer is very confident in the pollinator safety profile for spirotetramat. Reports recently submitted to EPA (MRIDs 49113501, 49113502, 49113503, 49113504, and 49113505) show that MOVENTO MPC can be safely applied at maximum labeled dosages to citrus immediately prior to and during bloom with minimal risk to pollinators. Calculations of the risk quotient (RQ) for potential risk to bee larvae using these data and bee risk assessment methods recently developed by EPA and PMRA show that the calculated RQ values do not exceed the Agency's acute or chronic level of concern (LOC) for bees. These new data and analysis confirm our position that the current citrus label restrictions are unnecessary. We strongly recommend the use of these science based risk assessments to guide the pollinator protection label language requirements for MOVENTO MPC.

As you are well aware, the Florida citrus industry is in a state of decline and MOVENTO MPC offers growers a solution that is direly needed. The letters of support included here from academia, the Citrus Research and Development Foundation, Inc., and the University of Florida Citrus Research and Education Center both clearly testify that a Special Local Need (24c) to allow treatments of MOVENTO MPC during bloom periods in Florida citrus is essential for this industry. This combined with data provide sound justification for the regulatory agencies to grant this request. Therefore we respectfully request that this Special Local Need (24c) be granted for the MOVENTO MPC label citrus Crop Group 10 uses. In support of this application, 12 copies of the following documents are included for FDACS review:

The following documents are included in support of this registration:

- 1. Florida Special Local Need Fee Receipt (Electronic Payment)
- 2. EPA From 8570-25
- MOVENTO MPC Proposed Special Local Need Label, Section 3 Label, EPA Stamped Label & MSDS
- 4. Justification & Efficacy Data
- 5. Letter of Support Citrus Research and Development Foundation, Inc.
- 6. Letter of Support University of Florida Citrus Research and Education Center
- 7. Summary of E-Fate Risk Assessment for the proposed 24(c) use

If you need any additional information or documentation to complete your review, please feel free to contact me at 919-549-2425 or meshea.brodie@bayer.com

Regards.

Blayer ChopScience Li

Bayer CropScience, P.O. Box 12014, Research Triangle Park, North Carolina 27709
Tel. 919 549-2000



March 4, 2014

John W. Bell
Product Development Manager
Bayer CropScience
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Dear Dr. Bell:

Please accept this letter of support to Bayer's Movento<sup>R</sup> MPC Insecticide Section 24(c) for use in Florida citrus against the Asian citrus psyllid, Diaphorina citri. This pest continues to pose significant challenges to Florida growers by transmitting Candidatus Liberibacter asiaticus, the causative agent of Huanglongbing. As you are well aware, growers are at a crossroads in their battle with tree health and productivity following heavy infection with HLB, and psyllid control remains a fundamental tool in managing the spread of the disease among mature trees, but also to new plantings and reset trees within infected groves.

While the industry is investing heavily in all avenues of research towards solutions, ACP suppression remains the cornerstone of HLB management. Timing, selection of modes of action, and stewardship of ACP products while protecting from resistance development and other effects are all part of building an effective pest management approach to ACP. Fortunately, a range of products are available, each having its place in the program.

We are particularly concerned about late winter or early season control of ACP, as this time period is complicated by citrus bloom and presence of mature fruit in many late-maturing citrus varieties. More importantly, trees with chronic infection may show variable or extended bloom characteristics, and weather also plays a role in determining the concentration and timing of citrus bloom. With these considerations in mind, your product Movento<sup>R</sup> MPC as a foliar spray fills an important niche in ACP management. It use around the bloom period as a residual

700 Experiment Station Road Lake Alfred, FL 33850 Phone: (863) 956-5894

insecticide is vital as we continue to seek to lower ACP populations going into the production season.

CRDF represents the Florida citrus industry in its search for solutions to HLB, and we are told increasingly that in order for this industry to be sustained under current disease conditions and declining productivity, we will need to rely on the best ACP programs available. The adoption of Citrus Health Management Areas (CHMAs) to maximize suppression of local ACP populations, as well as the broadest set of tools to allow rotation of modes of action all must be considered as we move forward.

The industry appreciates the outstanding efforts of Bayer Crop Science and your willingness to support the citrus industry with new tools and new uses. At the same time, we request your continued search for tools that will maintain ACP levels low enough to interfere with disease transmission while longer-term solutions are being evaluated.

Please feel free to contact us for further information or support as needed.

Best Regards,

Harold W. Browning

Howal W. Brains

**Chief Operations Officer** 



Institute of Food and Agricultural Sciences Citrus Research and Education Center 700 Experiment Station Road Lake Alfred, FL 33850-2299 863-956-1151 863-956-4631 Fax Website: www.crec.ifas.ufl.edu

March 3, 2014

John W. Bell
Product Development Manager
Bayer CropScience
2 T.W. Alexander Drive
Research Triangle Park, NC 27709
Phone: 919-549-2282
john.bell@bayer.com

Dear John,

I am writing to express my support for the proposed 24 (c) Special Local Need label to permit application of Movento during citrus bloom. The wording on the current Movento label is quite restrictive prohibiting application not only during bloom, but also 10 days prior to bloom. This has tied the hands of citrus growers who need to use this product during the citrus bloom period in Florida.

There are several benefits to Movento application during bloom that should be pointed out. First, because of the systemic nature of the product, foliar applications of Movento provide a long residual period of control of psyllid nymphs, thus preventing psyllid populations from building up in groves for 4-6 weeks following application. This is a key benefit to consider during bloom when most pesticide products cannot be applied and psyllid populations begin to reproduce on the new leaf flush associated with bloom. There are two other products available for use during bloom that also control psyllid nymphs, but the important difference between those products and Movento is that because of its systemic nature, Movento provides a much longer of duration of psyllid control compared to the other options that provide a very brief duration of psyllid nymph control. This is one important benefit of using Movento during the bloom period.

Second, we recently lost the use of Temik (aldicarb) in Florida citrus. Temik was used early in the season and provided complete systemic control of rust mite populations before they began to build up, thus minimizing the need for additional rust mite applications prior to the traditional summer rust mite sprays. Since the loss of the Temik registration, growers are having severe rust mite control failures. However, the experience of many growers has been that by applying Movento in the late winter or early spring, the systemic activity of the product provides rust mite control similar to that obtained by Temik. Thus, in those situations growers are better able to keep rust mites from reaching damaging levels and have better success keeping populations under control the remainder of the year. It's a concept very similar to that used for psyllid control; it's easier or

The Foundation for The Gator Nation
An Equal Opportunity Institution

Name March 3, 2014 Page 2

more effective to control a pest when populations are at low levels rather than waiting until populations reach high levels and are more difficult to control.

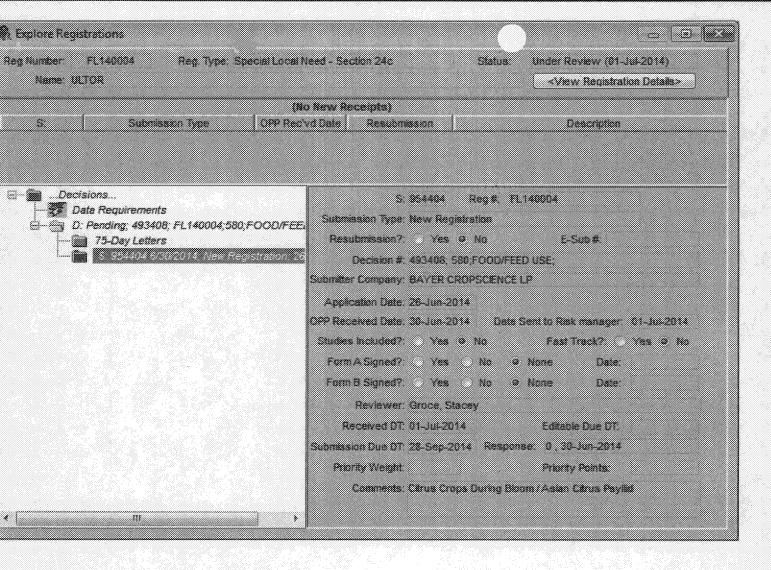
Given the lack of bee toxicity of spirotetramat, particularly when compared to other pesticide alternatives, it seems that this would be a very logical product to apply during bloom. Movento provides control of both psyllids and rust mites, both of which are needed during the bloom period. Because of these important benefits the Florida citrus grower will receive from such an application, I fully support this proposed SLN to allow application of Movento during citrus bloom in Florida. Please let me know if there are any additional questions that I can help answer related to this proposed 24 (c) label for Movento.

Sincerely,

Michael E. Rogers

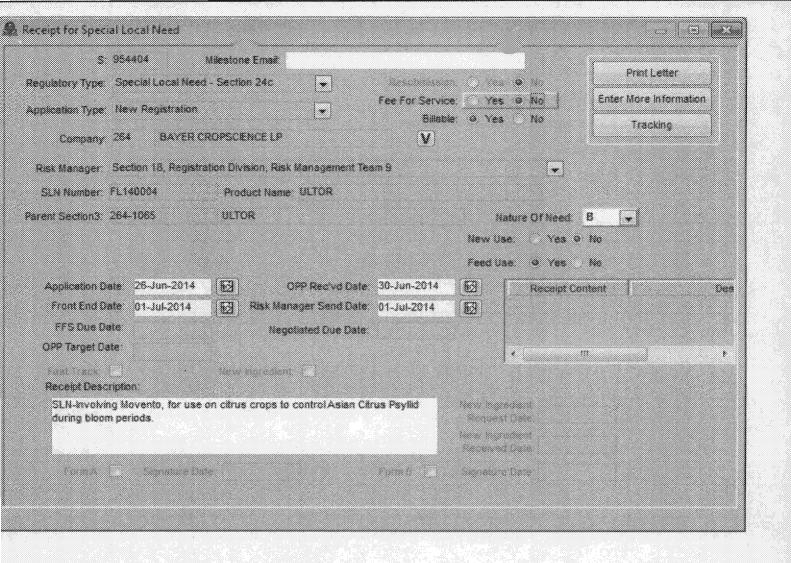
Associate Professor of Entomology

Malu Ellings-



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Division of Agricultural Environmental Services Bureau of Pesticides (850) 617-7917 (850) 617-7949 Fax



The Conner Building, No. 6 3125 Conner Boulevard Tallahasseb, Florida 32399-1650

## FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES COMMISSIONER ADAM H. PUTNAM

June 26, 2014

U.S. EPA Office of Pesticide Programs Document Processing Desk (SLN) Room S4900, One Potomac Yard 2777 Crystal Drive Arlington, VA 22202

SUBJECT: Section 24(c) Registration Request

Movento MPC, EPA Reg. No. 264-1065

For use on citrus crops to control Asian Citrus Psyllid(ACP) during bloom

periods.

EPA SLN NO. FL-140004 has been assigned as the special local need registration number for the subject product and use.

Enclosed are one copy of the accepted application for registration, an acceptance letter, and one copy of the accepted label issued to Bayer CropScience LP.

This action by the State of Florida is for the issuance of a SLN registration involving Movent MPC, EPA Reg. No. 264-1065.



U.S. EPA Office of Pesticide Programs June 26, 2014 Page Two

Please send any correspondence on this matter to: Dr. Krishna Tallapragada, Pesticide Registration Coordinator, Bureau of Pesticides, Division of Agricultural Environmental Services, 3125 Conner Boulevard, Building 6, Tallahassee, Florida 32399-1650, phone 850-617-7940 and e-mail address: krishna.tallapragada@freshfromflorida.com

Sincerely,

Charlie L. Clark

Environmental Administrator Pesticide Registration Section

CLC/kt

Enclosures

cc: Mr. Phillip Beard

Mr. Randy Dominy

Dr. Fred Fishel

Dr. Michelle Samuel-Foo

Dr. John Hoblick

Dr. Joseph Joyce

Mr. Anderson Rackley

Mr. Steve Dwinell

Dr. Dennis Howard

Dr. Davis Daiker

Ms. Kelly Friend

Mr. Neil Richmond

Mr. Kevin Morgan

Ms. Meshea Brodie

Mr. Mike Aerts

Division of Agricultural Environmental Services Bureau of Pesticides (850) 617-7917 (850) 617-7949 Fax



The Conner Building, No. 6 3125 Conner Boulevard Tallahassee, Florida 32399-1650

# FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES COMMISSIONER ADAM H. PUTNAM

June 26, 2014

#### NOTICE OF ACCEPTANCE

Ms. Meshea J. Brodie
State Registration Manager
Bayer CropScience LP
2T.W. Alexander Drive
Research Triangle Park, NC 27709

SUBJECT: Section 24(c) Registration Request

Movento MPC, EPA Reg. No. 264-1065

For use on citrus crops to control Asian Citrus Psyllid(ACP) during bloom

periods.

Your application for registration of the above product and use under the special local need provisions of FIFRA, Section 24(c), has been accepted by the Department effective June 26, 2014.

The registration number EPA SLN NO. FL-140004 has been assigned and must appear on the label. Any correspondence relating to this registration should refer to the assigned EPA SLN number.

This registration action authorizes this product to be labeled as a Special Local Need registration provided there is no intervening action by EPA or the Department.

Copies of the accepted application and Special Local Need label are enclosed. As required by Federal regulations, all necessary documents will be forwarded to the EPA within 10 days of this date. The EPA will complete their review within 90 days. To complete the 24(c) process, please submit three copies of your final printed label to this office within 30 days. Your attention to these additional requirements will be greatly appreciated.



#### NOTICE OF ACCEPTANCE

Ms. Meshea J. Brodie Bayer CropScience LP June 26, 2014 Page Two

Please send any correspondence on this matter to: Dr. Krishna Tallapragada, Pesticide Registration Coordinator, Bureau of Pesticides, Division of Agricultural Environmental Services, 3125 Conner Boulevard, Building 6, Tallahassee, Florida 32399-1650, phone 850-617-7940 and e-mail address: krishna.tallapragada@freshfromflorida.com

Sincerely,

Charlie L. Clark

Environmental Administrator Pesticide Registration Section

CLC/kt

#### Enclosures

cc: Ms. Barbara Purnell

Mr. Phillip Beard

Mr. Randy Dominy

Dr. Fred Fishel

Dr. Joseph Joyce

Dr. Michelle Samuel-Foo

Dr. John Hoblick

Mr. Anderson Rackley

Mr. Steve Dwinell

Dr. Dennis Howard

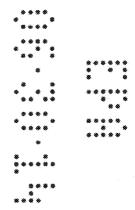
Dr. Davis Daiker

Ms. Kelly Friend

Mr. Neil Richmond

Mr. Kevin Morgan

Mr. Mike Aerts



KT 6/3/14



Bayer CropScience LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)

#### MOVENTO\* MPC

For control of Asian citrus psyllid (ACP) on citrus during bloom periods.

EPA Reg. No. 264-1065

SLN. No. FL-140004

### 24(c) Special Local Need

#### FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF FLORIDA

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

THIS LABEL IS VALID UNTIL 10/15/15 OR UNTIL OTHERWISE AMENDED, WITHDRAWN, CANCELED, OR SUSPENDED.

**ACTIVE INGREDIENT:** 

OTHER INGREDIENTS: 85.5%
Total 100.0%

Contains 1.25 pounds of spirotetramat per US gallon, or 150 grams per liter.

#### **DIRECTIONS FOR USE**

Apply specified dosage of MOVENTO MPC as needed for control. Treatment must be made when insect populations begin to build and before a damaging population becomes established. Rate selected for use must depend on stage of pest development at application and infestation level of those pests. MOVENTO MPC must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local Bayer CropScience representative or PCA for specific recommendations.

#### **CITRUS FRUITS**

Crops of Crop Group 10-10 Including: Australian lime (desert, finger, and round), Brown River finger lime, Calamondin, Citron, Grapefruit, Japanese summer grapefruit, Kumquat, Lemon, Lime, Mediterranean mandarin, Mount White lime, New Guinea wild lime, Orange (sour and sweet), Pummelo, Russell River lime, Satsuma mandarin, Sweet lime, Tachibana orange, Tahiti lime, Tangelo, Tangerine, Tangor, Trifoliate orange, Uniq fruit, including cultivars, varieties and/or hybrids of these commodities.

	Rate	Rate
PEST CONTROLLED	fluid ounces/Acre	lb ai/Acre
Asian citrus psyllid	16.0	0.16***

#### **Notes and Restrictions**

Pre-Harvest Interval (PHI): 1 day.

Minimum interval between applications: 21 days.

Maximum MOVENTO MPC allowed per 12 month period: 32 fluid ounces/Acre (0.32 lb ai/Acre).

Do not make more than one application during the primary citrus bloom period.

Do not apply non-ionic surfactants in tank mix combination with MOVENTO on white grapefruit.

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-998AYER (1-866-992-2937)

24(c) Registrant:
Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

MOVENTO is a registered trademark of Bayer.



For State Use Only

SEPA

United States Environmental Protection Agency
Office of Pesticide Programs
Registration Division (TS-767)
Washington, DC 20460
/Notification of State Registration of

r Pesticide Programs
on Division (TS-767)
Registration No. Assigned
ington, DC 20460

f State Registration of a Pesticide To

Date Registration Issued

	Meet a S (Pursuant to Section 24(C) of	Special Local Need  f the Federal Insecticide, Fungicide, and idea Act, as Amended)
1.	Name and Address of Applicant for Registration	2. Product is (Check one)
		EPA Registered EPA Registration Number
Bayer CropScience		264-1065
2 T.W. Alexander Drive P.O.Box 12014		New (not EPA-registered) EPA Company Number
Research Triangle Park, NC 27709		Attach EPA Form 8570-4, Confidential Statement of Formula, fix now products.
		3. Active Ingredient(s) in Product Spirotetramat
4.	Product Name	5. If this is a food/feed use, a tolerance or other residue clearance is required.
M	ovento MPC	Cite appropriate regulations in 40 CFR Part 180, 185, and/or 186.  40 CFR 180.641
	Type of Registration (Give details in Item 13 or on a separate page, property identified and attached to this form).	Nature of Special Local Need (check one)     There is no posticide product registered by EPA for such use.
	a. To permit use of a new product.	There is no EPA-registered pesticide product which, under the conditions of use within
X	b. To amend EPA registrations for one or more of the following purposes:	★ the State, would be as safe and/or as efficacious for use within the terms and condition of EPA registration.
	(1) To permit use on additional crops or animals.	An appropriate EPA-registered pesticide product is not available.
	(2) To permit use at additional sites.	8. If this registration is an amendment to an EPA-registered product, is it for a "new
	(3) To permit use against additional pests.	use" as defined in 40 CCFR 152.3?
	(4) To permit use of additional application techniques or equipment.	Yes (discuss in item 12 below) No
	(5) To permit use at different application rates.	9. Has an EPA Registration or Experimental Use Permit for this chemical ever been
	X (6) Other (specify below)	(check applicable box(es), if known):
10	. Has FIFRA section 24(c) registration for this use of the product ever, by another State, been (check appropriate box(es), if known):	Sought Ize Issued Denied Canceled Suspended
	Sought Issued Denied Revoked  If any of the above are checked, list States in Item 13 below  No FIFRA section 24(c) Action	Registration Experimental Use Permit No Previous Permit Action  11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly identified and attached to this form)  Identify the counties where this pesticide will be used. If Statewide, Indicate "all". Provide a list of Federally protected endangered/threatened species which occur in the areas of proposed use.
*****	Certification	12. Indicate use statue of Special Local Need, i.e., planned dates of use:
the fal:	artify that the statements I have made on this form and all attachments reto are true, accurate, and complete. I acknowledge that any knowingli se or misleading statement may be punishable by fine or imprisonment both under applicable law.	
Tii	gnature of Applicant or Authorized Representative  Lip Company of	13. Comments (attach additional sheet, if needed)
Ŧe	lephone Numbec / Date	
91	9-549-2425 April 9, 2014	
ink	Determin s registration is for a Special Local Need and is being issued in accorda rmation above is correct, except as noted in "Comments" below or in a	~~~~~~~~~~ <b>~~~~~~~~~~~~~~~~~~~~~~~~~~~</b>
N	ime, Title, and Address of State Agency Official Commer	nts (by State Agency Only) Received by EPA
	Mr. Charlie L. Clark, Administrator Pesticide Registration Section FL Dept. Of Agriculture & Consumer Services 3125 Conner Blvd., Bldg. 6 Tallahassee, FL 32393-1650	6, b. (6) Other (specify below).  Allows application during bloom.
Tii	ENVIRONMENTAL HOMINISTRATOR	
Te	Rephone Number (850) 617-7946 Date May 26, 2014	

EPA Form 8570-25 (Rev. 1-94)

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